Introduction

1.1 Compatibility:

FASST 2.4G Air Systems (7CH Mode/Multi Mode): 6EX, 7C, TM-7, TM-8, T8FG, T10C, TM-10, T10CG, T12Z, T12FG, TM-14, T14MZ, etc.

FASST 2.4G Surface Systems (C1 Mode): 3PK, 4PK, etc.

1.2 Specifications:

Operating Voltage Range:	3.5V~10V
Dimension:	54*30*15mm
Weight:	12.9g
Latency:	14ms (FS)
	7ms (HS)

1.3 Features:

1) Compatible with FASST 2.4G: Air Systems (7CH Mode/Multi Mode) & Surface Systems (C1 Mode) ;
2) Parallel with TFR8/TFR8-S to become a 14 channel FASST compatible receiver ;
3) Two selectable failsafe setting options;
4) Improve capability of anti-interference ;
5) Firmware upgradable

2. Setup (Bind procedure/ Setting failsafe/ LED status)

2.1 Bind procedure:

Turn on the transmitter, connect the battery to the receiver while pressing receiver's F/S button. After the RED LED is off and GREEN LED is solid, the binding process is completed and the receiver is operating normally.

2.2 Setting failsafe:

TFR8S support two selectable failsafe setting options, either use native failsafe position preset on the transmitter side, or set failsafe on TFR8S.

2.2.1 Use native failsafe position preset on the transmitter side:
If not disabling failsafe on the transmitter side, TFR8S will use native failsafe position preset on the transmitter side.

2.2.2 Set failsafe on TFR8S:
TFR8S supports failsafe function for all channels. Follow the steps below to set failsafe on TFR8S:
1) Bind the receiver first, and disable failsafe on the transmitter side;
2) Set all transmitter controls to the desired failsafe position;
3) Press briefly the F/S button of the receiver, the GREEN LED of the receiver will flash twice, indicating the failsafe is set up successfully.
If you do not need the failsafe function any more, just re-bind the receiver to set default failsafe mode.

Hint: If not disabling failsafe on the transmitter side, TFR8S will use native failsafe position preset on the transmitter side.

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2.3 LED Status:

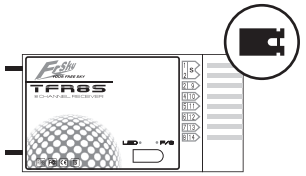
RED LED	GREEN LED	Mode
Off	On	Normal mode
On	On	Waiting to be bound
Flashing	On	Signal lost
On	Flashing twice	Set failsafe
Flashing slowly	On	FS mode
Flashing fast	On	HS mode

3. How to switch between two PPM modes

Turn the transmitter off, connect the battery to the receiver, press the F/S button of receiver for 6 seconds and then release. The red LED will flash fast in HS Mode and slow in FS Mode. Repeat this to alternate modes .

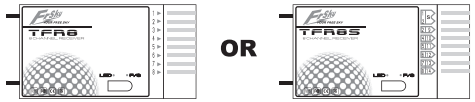
Warning: HS Mode is only applied for high-speed digital servos. Other servos should select FS Mode, otherwise servos will get hot or even burn out.

4. How to create a ganged , multi-channel receiver



Connect CH1&CH2 by a jumper

TFR8-S can be paralleled with a TF R8/TFR8-S to become a multi-channel FASST compatible receiver
1) Bind both receivers to the transmitter/transmitter module;
2) Connect CH1 & CH2 of TFR8-S by a jumper,then CH3 will be shifted to CH9,Ch4 will be shifted to CH10,and so forth;
3) The two receivers can be placed in different areas of the model



TFR8-S can be paralleled with a TFR8/TFR8-S to become a multi-channel FASST compatible receiver.

Follow the steps below:
1) Bind both receivers to the transmitter/transmitter module;
2) Connect CH1 & CH2 of TFR8-S by a jumper, then CH3 will be shifted to CH9, CH4 will be shifted to CH10, and so forth;
3) The two receivers can be placed in different areas of the model.